



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105-3901

Sent via Electronic Mail

Shantal Der Boghosian
Project Manager, Environmental Remediation
Corporate Environmental Remediation
Northrop Grumman Systems Corporation
One Space Park
Redondo Beach, CA 90278
shantal.derboghosian@ngc.com

Re: REQUEST FOR PAYMENT OF EPA COSTS, TRW Microwave Superfund Site, Sunnyvale, California, Consent Order 92-25, Paragraph 6

Dear Shantal Der Boghosian:

This Bill for Collection is for the cost of \$33,657.29 incurred by the United States for response activities conducted at the TRW Microwave Superfund Site under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. §9601-§9675, as amended. Enclosed is the cost report for the period of May 1, 2019 to August 31, 2020 plus prior uncollected costs. In addition, EPA reserves the right to bill for any charges not included in this bill in subsequent billings.

To the extent consistent with the above-referenced agreement, payment is due within 30 days and payment is considered delinquent if not paid by the due date. Interest may be assessed against a delinquent payment rate of 0.10%. Please review and adhere to all procedures and requirements including dispute resolution, as specified in the above-referenced agreement.

Submit payments on-line to www.Pay.gov which accepts debit and credit cards and bank account ACH. On the www.Pay.gov main page, enter sfo 1.1 in the search field to obtain EPA's Miscellaneous Payment Form – Cincinnati Finance Center. Complete the form with the due date, TRW Microwave Superfund Site ID#09K4. Once the form is completed email an acknowledgement of payment to CINWD_AcctsReceivable@epa.gov.

Direct billing cost questions to Michael Schulman, Remedial Project Manager at Schulman.Michael@epa.gov or (415) 972-3916 or have your counsel contact Rebekah Reynolds, Attorney at Reynolds.Rebekah@epa.gov or (415) 972-3916.

Thank you for your cooperation.

Sincerely,

LOREN HENNING

Digitally signed by LOREN
HENNING

Date: 2020.11.24 14:39:22 -08'00'

Loren Henning, Manager
CERCLA Enforcement Office
Superfund and Emergency Management Division

2 Enclosures
09K4 Cost Report for Report for 05/01/2019 – 08/31/2020 plus prior uncollected costs
Pay.gov Guidance Document

cc (via email):
Robert Ariatti, robert.ariatti@ngc.com, Senior Counsel at Northrop Grumman
Michael Schulman, Schulman.Michael@epa.gov
Rebekah Reynolds, Reynolds.Rebekah@epa.gov
Marie Ortesi, Ortesi.Marie@epa.gov
Gwen Brown, Brown.GwenL@epa.gov
Superfund Records Center

EPA Superfund Bill-Pay Using Pay.Gov

1) Open any web browser and navigate to the Pay.Gov site: <https://www.pay.gov/public/home> or use this direct link: <https://www.pay.gov/public/form/start/11751879> (this will cut-out steps 2-3)

2) Using the search bar, search for, "SFO 1.1".



3) The Cincinnati Finance Center – Miscellaneous Payments will be shown. Click "Continue".

EPA Miscellaneous Payments - Cincinnati Finance Center

Description: Use this form to pay civil penalties, FOIA request, Superfund, Citations, Compliance Orders, and other miscellaneous payments.

Form Number: SFO Form Number 1.1

Agency: U.S. Environmental Protection Agency;
Cincinnati Finance Center

[Continue](#)

4) Click "Continue to the Form".

5) Complete the form then click "Continue". In the "Type of Payment" field, select "Superfund" from the dropdown. Be sure to enter the Site ID or Bill#.

6) Select the button beside either "Bank Account (ACH)" or "Debit or Credit Card" then click "Next". Depending on the payment method you select, there are dollar limits for each transaction (https://www.pay.gov/WebHelp/HTML/payments_limits.html).

Credit Cards

- Up to a total of \$24,999.99 for all transactions with one or more U.S. Government agencies conducted on the same day using the same credit card. The total could combine payments made on Pay.gov and payments made any other way, such as presenting or swiping the card directly at an agency office.
Example: On a Thursday, the same credit card is used for three separate payments of \$10,000 each. Two payments were made on Pay.gov. The third payment, made directly to an agency, will be rejected because the total of all payments made with the credit card is over the daily limit. You could, however, use a different credit card for the third payment.
- You may not split payments using the same card if the total will be over the limit, even if partial payments are made on different days.
Example: You must pay a fee of \$35,000. You decide to make two partial payments using the same credit card. On Thursday you pay \$20,000. On Friday, you pay the remaining \$15,000. Because both payments are for the same fee, the same card was used and the total of both payments is over the limit. Friday's payment will be rejected. You could use a different credit card for each partial payment.

Debit Cards

- No limit except for the funds available in your account.

Bank Accounts for ACH Debit or Credit

- Up to \$99,999.99 per transaction, limited by the funds available in the account

7) Enter the requested payment information and submit your payment. If you provided an email address in the payment form, you will receive a confirmation email.

For additional assistance, please contact Craig Steffen at steffen.craig@epa.gov, (513)487-2091, or visit the Pay.Gov help center at: <https://www.pay.gov/WebHelp/HTML/about.html>

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Itemized Cost Summary

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COST SUMMARY FROM 05/01/2019 TO 08/31/2020 PLUS PRIOR COSTS

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REGIONAL PAYROLL COSTS	\$5,783.47
INTERAGENCY AGREEMENT (IAG)	
ARMY CORPS OF ENGINEERS (DW96957990)	\$8,047.86
RECORDS MANAGEMENT SUPPORT SERVICES (RMSS)	
ARCTIC SLOPE MISSION SERVICES (EPW17011)	\$1,289.57
RESPONSE ACTION CONTRACT (RAC)	
APTIM FEDERAL SERVICES LLC (EPS91302)	\$4,873.03
EPA INDIRECT COSTS	\$13,663.36
Total Site Costs:	\$33,657.29

Regional Payroll Costs

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COST SUMMARY FROM 05/01/2019 TO 08/31/2020 PLUS PRIOR COSTS

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<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Hours</u>	<u>Payroll Costs</u>
BROWN, GWENDOLYN	2019	16	1.00	81.05
ENVIRON. PROTECTION SPECIALIST	2020	04	2.00	164.93
		05	0.25	20.62
		09	1.00	85.25
		12	0.50	42.62
		13	0.75	63.93
		18	0.25	21.31
		19	2.50	213.10
		20	0.50	42.62
		21	1.50	127.95
		22	2.75	234.42
			<hr/> 13.00	<hr/> \$1,097.80
CAINGLET, MAR	2020	02	0.50	20.38
ACCOUNTANT		03	1.50	61.15
		05	0.50	24.40
		06	1.50	73.11
		07	0.50	24.40
		08	0.50	25.16
		09	0.50	25.16
		10	0.50	25.16
		11	2.50	125.87
		12	0.50	25.16
		13	0.50	25.16
		14	4.50	226.59
		15	0.50	25.16
		16	0.50	25.16
		17	3.50	176.21
		18	0.50	25.16
		19	10.50	528.69
			<hr/> 29.50	<hr/> \$1,462.08
CHAN, ELAINE	2020	16	2.00	187.07
YEE, ELAINE				
ENVIRON. PROTECTION SPECIALIST				
			<hr/> 2.00	<hr/> \$187.07

Regional Payroll Costs

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COST SUMMARY FROM 05/01/2019 TO 08/31/2020 PLUS PRIOR COSTS

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<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Hours</u>	<u>Payroll Costs</u>
GUAN, MENDY	2019	16	0.75	55.40
ACCOUNTANT		22	3.25	247.08
		23	0.50	38.02
			<u>4.50</u>	<u>\$340.50</u>
HARDEE, ALEX	2017	09	0.50	30.56
GENERAL ATTORNEY		10	0.75	40.34
		13	2.00	100.07
			<u>3.25</u>	<u>\$170.97</u>
MORASH, MELANIE	2019	15	0.75	58.68
PINCUS , MELANIE I.		16	0.75	58.68
ENVIRONMENTAL ENGINEER (OSC)		17	4.25	332.57
		18	1.25	100.52
			<u>7.00</u>	<u>\$550.45</u>
ORTESI, MARIE	2020	19	0.50	51.99
LEUNG, MARIE				
SUPERVISORY ACCOUNTANT				
			<u>0.50</u>	<u>\$51.99</u>
SCHULMAN, MICHAEL	2020	03	1.75	124.38
PHYSICAL SCIENTIST		07	2.00	154.27
		17	4.00	318.20
		18	0.25	19.89
		19	1.00	79.56
		21	3.00	238.67
		22	2.00	159.11
		23	0.50	39.78
			<u>14.50</u>	<u>\$1,133.86</u>
WETMORE, CYNTHIA	2019	19	1.00	90.87
ENVIRONMENTAL ENGINEER		20	1.00	90.87
		22	2.50	227.17
		23	2.50	227.17
			<u>7.00</u>	<u>\$636.08</u>
WILEY, REBEKAH	2020	04	0.50	48.88

Regional Payroll Costs

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COST SUMMARY FROM 05/01/2019 TO 08/31/2020 PLUS PRIOR COSTS

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<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Hours</u>	<u>Payroll Costs</u>
ATTORNEY ADVISOR	2020	19	0.50	51.86
		21	0.50	51.93
			1.50	\$152.67
Total Regional Payroll Costs			82.75	\$5,783.47

Contract Costs

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COST SUMMARY FROM 05/01/2019 TO 08/31/2020 PLUS PRIOR COSTS

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INTERAGENCY AGREEMENT (IAG)

Federal Agency: ARMY CORPS OF ENGINEERS
IAG Number: DW96957990
Project Officer(s): WETMORE, CYNTHIA
Dates of Service: From: 04/01/2019 To: 12/02/2019
Summary of Service: FIVE-YEAR REVIEW
Total Costs: \$8,047.86

<u>Voucher Number</u>	<u>Voucher Date</u>	<u>Voucher Amount</u>	<u>Treasury Schedule Number and Date</u>	<u>Site Amount</u>
47091365	05/08/2019	1,395.90	AVC190203 05/23/2019	1,013.08
47091929	06/10/2019	2,081.58	AVC190220 06/18/2019	1,752.30
47092507	07/31/2019	2,012.29	AVC190263 08/12/2019	2,012.29
47093026	08/12/2019	2,621.30	AVC190271 08/22/2019	2,621.30
47093728	09/10/2019	433.96	AVC190295 09/19/2019	366.18
47095389	12/13/2019	1,136.05	AVC200080 12/20/2019	282.71
Total:				<u>\$8,047.86</u>

Contract Costs

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COST SUMMARY FROM 05/01/2019 TO 08/31/2020 PLUS PRIOR COSTS

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RECORDS MANAGEMENT SUPPORT SERVICES (RMSS)

Contractor Name: ARCTIC SLOPE MISSION SERVICES
EPA Contract Number: EPW17011
Project Officer(s): CHAN, ELAINE
Dates of Service: From: 01/28/2019 To: 06/28/2020
Summary of Service: RECORDS MANAGEMENT/DOCUMENT CONTROL
Total Costs: \$1,289.57

Ex. 4 CBI

Contract Costs

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COST SUMMARY FROM 05/01/2019 TO 08/31/2020 PLUS PRIOR COSTS

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RESPONSE ACTION CONTRACT (RAC)

Contractor Name: APTIM FEDERAL SERVICES LLC
EPA Contract Number: EPS91302
Project Officer(s): SANTIAGO-OCASIO, CARMEN
VELEZ, SOCORRO
Dates of Service: From: 03/01/2019 To: 06/30/2020
Summary of Service: RESPONSE ACTION CONTRACT (RAC)
Total Costs: \$4,873.03

Ex. 4 CBI

EPA Indirect Costs

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COST SUMMARY FROM 05/01/2019 TO 08/31/2020 PLUS PRIOR COSTS

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<u>Fiscal Year</u>	<u>Direct Costs</u>	<u>Indirect Rate(%)</u>	<u>Indirect Costs</u>
2017	170.97	50.65%	86.60
2019	12,028.79	68.49%	8,238.53
2020	7,794.17	68.49%*	5,338.23
	<u>19,993.93</u>		
Total EPA Indirect Costs			<u>\$13,663.36</u>

* Provisional Rate is subject to change when actual rate is calculated and approved.

EPA Indirect Costs

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COST SUMMARY FROM 05/01/2019 TO 08/31/2020 PLUS PRIOR COSTS

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PAYROLL DIRECT COSTS

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
HARDEE, ALEX	2017	09	30.56	50.65%	15.48
		10	40.34	50.65%	20.43
		13	100.07	50.65%	50.69
			170.97		\$86.60
Total Fiscal Year 2017 Payroll Direct Costs:			170.97		\$86.60
Total Fiscal Year 2017:			170.97		\$86.60

PAYROLL DIRECT COSTS

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
BROWN, GWENDOLYN	2019	16	81.05	68.49%	55.51
			<u>81.05</u>		<u>\$55.51</u>
GUAN, MENDY	2019	16	55.40	68.49%	37.94
		22	247.08	68.49%	169.23
		23	38.02	68.49%	26.04
			<u>340.50</u>		<u>\$233.21</u>
MORASH, MELANIE	2019	15	58.68	68.49%	40.19
		16	39.12	68.49%	26.79
			19.56	68.49%	13.40
		17	19.55	68.49%	13.39
			313.02	68.49%	214.39
		18	80.41	68.49%	55.07
			<u>20.11</u>	68.49%	<u>13.77</u>
			<u>550.45</u>		<u>\$377.00</u>

EPA Indirect Costs

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COST SUMMARY FROM 05/01/2019 TO 08/31/2020 PLUS PRIOR COSTS

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PAYROLL DIRECT COSTS

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
WETMORE, CYNTHIA	2019	19	90.87	68.49%	62.24
		20	90.87	68.49%	62.24
		22	227.17	68.49%	155.59
		23	227.17	68.49%	155.59
			<u>636.08</u>		<u>\$435.66</u>

Total Fiscal Year 2019 Payroll Direct Costs:

1,608.08\$1,101.38OTHER DIRECT COSTS**Ex. 4 CBI**

EPA Indirect Costs

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COST SUMMARY FROM 05/01/2019 TO 08/31/2020 PLUS PRIOR COSTS

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OTHER DIRECT COSTS**Ex. 4 CBI**PAYROLL DIRECT COSTS

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
BROWN, GWENDOLYN	2020	04	164.93	68.49%	112.96
		05	20.62	68.49%	14.12
		09	85.25	68.49%	58.39
		12	42.62	68.49%	29.19
		13	63.93	68.49%	43.79
		18	21.31	68.49%	14.60
		19	213.10	68.49%	145.95
		20	42.62	68.49%	29.19
		21	127.95	68.49%	87.63
		22	234.42	68.49%	160.55
			<u>1,016.75</u>		<u>\$696.37</u>
CAINGLET, MAR	2020	02	20.38	68.49%	13.96
		03	61.15	68.49%	41.88
		05	24.40	68.49%	16.71
		06	73.11	68.49%	50.07
		07	24.40	68.49%	16.71
		08	25.16	68.49%	17.23
		09	25.16	68.49%	17.23
		10	25.16	68.49%	17.23
		11	125.87	68.49%	86.21

EPA Indirect Costs

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COST SUMMARY FROM 05/01/2019 TO 08/31/2020 PLUS PRIOR COSTS

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PAYROLL DIRECT COSTS

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
CAINGLET, MAR	2020	12	25.16	68.49%	17.23
		13	25.16	68.49%	17.23
		14	226.59	68.49%	155.19
		15	25.16	68.49%	17.23
		16	25.16	68.49%	17.23
		17	176.21	68.49%	120.69
		18	25.16	68.49%	17.23
		19	528.69	68.49%	362.10
			1,462.08		\$1,001.36
CHAN, ELAINE	2020	16	187.07	68.49%	128.12
			187.07		\$128.12
ORTESI, MARIE	2020	19	51.99	68.49%	35.61
			51.99		\$35.61
SCHULMAN, MICHAEL	2020	03	124.38	68.49%	85.19
		07	154.27	68.49%	105.66
		17	318.20	68.49%	217.94
		18	19.89	68.49%	13.62
		19	79.56	68.49%	54.49
		21	238.67	68.49%	163.47
		22	159.11	68.49%	108.97
		23	39.78	68.49%	27.25
			1,133.86		\$776.59
WILEY, REBEKAH	2020	04	48.88	68.49%	33.48
		19	51.86	68.49%	35.52

EPA Indirect Costs

TRW MICROWAVE, SUNNYVALE, CA SITE ID = 09 K4

COST SUMMARY FROM 05/01/2019 TO 08/31/2020 PLUS PRIOR COSTS
CRP# 185493PAYROLL DIRECT COSTS

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
WILEY, REBEKAH	2020	21	51.93	68.49%	35.57
			152.67		\$104.57
Total Fiscal Year 2020 Payroll Direct Costs:			4,004.42		\$2,742.62

OTHER DIRECT COSTS**Ex. 4 CBI**